

CLAIMS

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Previously presented) A self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination, containing multiple doses of a wound gel for the treatment of wounds wherein the gel comprises:
 - (a) from about 0.05% to 10% by weight of a natural gelling agent;
 - (b) from about 1.0% to 10% by weight of a hydrocolloid;
 - (c) from about 5.0% to 30.0% by weight of an alkylene glycol; and
 - (d) at least 50% by weight of water.
6. (Previously presented) The self-sealing barrier vessel as claimed in claim 5 wherein the gel is sterile.
7. (Canceled)
8. (Previously presented) A method of making a self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination, comprising multiple doses of a wound gel, the method comprising the steps of:
 - (i) filling an inner container with multiple doses of a wound gel, said inner container being contained within an outer casing container;
 - (ii) sealing the inner container with an opening valve; and
 - (iii) introducing a pressure medium between the inner container and the outer casing container.
9. (Previously presented) A method of making a self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination, comprising multiple doses of a wound gel, the method comprising the steps of:
 - (i) filling an inner container with multiple doses of a non-sterile wound gel, said inner container being contained within an outer casing container;
 - (ii) sealing the inner container with an opening valve;
 - (iii) sterilizing the vessel and gel contained within it; and

- (iv) introducing a pressure medium between the inner container and the outer casing container.
- 10. (Previously presented) A multiple dose, sterile wound gel contained within a self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination.

Claims 11-13 (Canceled)

- 14. (Previously presented) A method for the treatment of a sinus wound comprising discharging into a sinus cavity a wound gel from a self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination, containing multiple doses of a wound gel.
- 15. (Previously presented) A method for treatment of a wound comprising discharging onto the wound a wound gel from a self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination, containing multiple doses of a wound gel wherein said wound gel is sterile.
- 16. (Canceled)
- 17. (Canceled)
- 18. (Previously presented) The method of claim 15 wherein said gel has a viscosity of between 150 and 800 Pas.
- 19. (Previously presented) A method for treatment of a wound comprising discharging onto the wound a wound gel from a self-sealing barrier aerosol vessel, under positive pressure, which minimizes contamination, containing multiple doses of a wound gel wherein said gel-containing vessel is prepared by the following steps:
 - (i) filling an inner container of said vessel with multiple doses of a non-sterile gel;
 - (ii) sealing the inner container with an opening valve;
 - (iii) sterilizing said vessel and gel; and
 - (iv) introducing a pressure medium between the inner container and the outer casing container.

20. (Previously presented) A method for dispensing multiple doses of a preservative-free therapeutic gel from a single dispenser to a wound in need of such gel comprising the steps of:
- (a) providing a self-sealing barrier aerosol dispenser, under positive pressure, which minimizes contamination, with said gel therein by
 - (i) preparing said self-sealing barrier aerosol dispenser to comprise an inner container and an outer casing container;
 - (ii) filling said inner container with multiple doses of said gel;
 - (iii) sealing said inner container with an openable and closeable dispensing valve;
 - (iv) sterilizing the container and multiple doses of gel therein; and
 - (v) introducing a pressure medium between said inner container and said outer casing container; and
 - (b) opening and closing said dispensing valve to dispense two or more doses of said gel into said wound, whereby the risk of contamination of the gel remaining in said dispenser is substantially eliminated.